BRUHATH BENGALURU MAHANAGARA PALIKE

Yelahanka Division, Yelahanka Zone

Executive Engineeer
Yelahanka Division
B.B.M.P. Bengaluru - 64

No:EE/YNK-D/E-PMT/06/2022-23 Dated: 24-06-2022

APPROVED TENDER SCHEDULE –'B'

Item 06

Name of Work :-Construction of Synthetic tennis court, street vending zone & other developmental works at judicial layout main and cross roads, Chikkabommasandra, Someshwara Nagar, Allalasandra village and surrounding areas in ward No 04 of Yelahanka Division under Amruth Nagarothan Grants. (PACKAGE No-06)

Sl	Description	Unit	Approved Qty	Rate quoted by the contractor approved rates Sri.B B Umesha	
				Rate	Rate in Words
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead I By Manual Means B Cement Concrete Grade M-15 & M-20 and directions of the Engineer in charge.	Cum	28.24	816.36	Eight Hundred Sixteen Paise ThirtySix Only
2	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of	Cum	40.50	537.17	Five Hundred ThirtySeven Paise Seventeen Only
3	Removing and refixing stone slabs of drains and pointing in CM (1:3) and directions of the Engineer in charge.	Sqm	1168.94	122.84	One Hundred TwentyTwo Paise EightyFour Only
4	Removing and refixing of footpath slab (Data Rate) and directions of the Engineer in charge.	Sqm	2467.12	238.58	Two Hundred ThirtyEight Paise FiftyEight Only
5	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. and directions of the Engineer in charge.	Cum	9215.62	207.72	Two Hundred Seven Paise SeventyTwo Only
6	Providing granite slabs of selected quality roughly dressed havinf a size of 7.5cms thick and fixed in cement mortar (1:6) including fixing curing ete., complete.and directions of the Engineer in charge. and directions of the Engineer in charge.	Sqm	191.97	753.31	Seven Hundred FiftyThree Paise ThirtyOne Only
7	Providing one line dressing to granite stone slab / granite stone masonry as per specifications as directed by the Engineer in Charge of the work. (excluding GST and Area Leading Charges)(Data Rate) and directions of the Engineer in charge.	Sqm	721.01	245.69	Two Hundred FourtyFive Paise SixtyNine Only
8	Providing and laying in position plain cement concrete Mix 1:3:6 (M10) for levelling course for all works in foundation. Using 40 mm nominal size graded crushed coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. and directions of the Engineer in charge.	Cum	1511.42	6423.65	Six Thousand Four Hundred TwentyThree Paise SixtyFive Only

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9	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. M20 (The cost of steel reinforcement & formwork to be paid separately)and directions of the Engineer in charge.	Cum	2146.25	7335.82	Seven Thousand Three Hundred ThirtyFive Paise EightyTwo Only
10	Supplying, Fitting and Placing TMT Fe550 bar Reinforcement in sub-structure complete as per Drawing and Technical Specifications. and directions of the Engineer in charge.	tonne	132.87	115394.45	One Lakh Fifteen Thousand Three Hundred NinetyFour Paise FourtyFive Only
11	Providing and Fixing pre cast covering Slab 100mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate) and directions of the Engineer in charge.	Sqm	5961.71	2103.58	Two Thousand One Hundred Three Paise FiftyEight Only
12	Providing and Fixing pre cast covering Slab 150mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate) and directions of the Engineer in charge.	Sqm	289.80	2601.05	Two Thousand Six Hundred One Paise Five Only
13	Providing and Fixing pre cast covering Slab 230mm thick made out of CC , Jelly 20mm Down Size with steel reinforcement including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc, complete as per Engineer incharge. (Data Rate) and directions of the Engineer in charge.	Sqm	346.56	5113.78	Five Thousand One Hundred Thirteen Paise SeventyEight Only
14	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paidseparately) Mix 1:2:4 (M15) Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge.	Cum	390.18	6807.81	Six Thousand Eight Hundred Seven Paise EightyOne Only
15	Providing and fixing pre cast solid cement concrete Kerb Stones made out of M20 with top and bottom width 114 and 165mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading, unloading, lead and lift transportion etc., complete as directed by the Engineer in charge of the work(from finish concrete and no painting to be done)(Data Rate) and directions of the Engineer in charge.	Nos	19802.00	514.73	Five Hundred Fourteen Paise SeventyThree Only
16	Painting Two Coats on New Concrete Surfaces Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concretesurfaces. and directions of the Engineer in charge.	Sqm	3118.15	94.93	NinetyFour Paise NinetyThree Only

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17	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates	Cum	213.14	6986.50	Six Thousand Nine Hundred EightySix Paise Fifty Only
18	Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level , including cost of materials, labour and Usage charges of machinery complete as per specifications. and directions of the Engineer in charge.	Sqm	3772.72	1213.93	One Thousand Two Hundred Thirteen Paise NinetyThree Only
19	Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per m2 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and Usage charges of machinery complete as per specifications. and directions of the Engineer in charge.	Sqm	1194.40	1278.70	One Thousand Two Hundred SeventyEight Paise Seventy Only
20	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 m3 in volume and stock piling at designated locations and disposal of dismantled materials and stacking serviceable and unserviceable materials separately MORTH Specification and directions of the Engineer in charge.	Cum	535.58	471.28	Four Hundred SeventyOne Paise TwentyEight Only
21	Earth work in surface excavation by mechanical means for lowering & leveling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 300mm as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work. In all kinds of soils upto 300 mm depth. and directions of the Engineer in charge.	Cum	3109.42	72.59	SeventyTwo Paise FiftyNine Only
22	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material by Mechanical Means using Hydraulic excavator with in all lifts and lead and directions of the Engineer in charge.	Sqm	1353.30	4.47	Four Paise FourtySeven Only
23	Construction of Granular Sub-Base of required grading as per design mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401 (For Grading -V Material) and directions of the Engineer in charge.	Cum	206.52	2621.05	Two Thousand Six Hundred TwentyOne Paise Five Only
24	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density Specification and directions of the Engineer in charge.	Cum	2788.72	2673.54	Two Thousand Six Hundred SeventyThree Paise FiftyFour Only

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25	Providing and applying primer coat with SS1 grade Bitumen Emulsion on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.90 kg per m2 using mechanical means Specification and directions of the Engineer in charge.	Sqm	20542.98	49.14	FourtyNine Paise Fourteen Only
26	Providing and laying Dense Graded Bituminous Macadam with 40/60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 4.5 per cent by weight of total mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per specification and directions of the Engineer in charge.	Cum	1027.15	11043.71	Eleven Thousand FourtyThree Paise SeventyOne Only
27	Providing and applying tack coat with RS1 Bituminous Emulsion using emulsion pressure distributor at the rate of 0.25 kg/m2 on the prepared bituminous surface cleaned with mechanical broom Specification and directions of the Engineer in charge.	Sqm	30511.44	16.75	Sixteen Paise SeventyFive Only
28	Providing and laying Bituminous Concrete with 40/60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder VG-30, @ 5.4 percent of mix and filler, transporting the hot mix to work site, laying with mechanical paver finisher to the required grade,level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per specification and directions of the Engineer in charge.	Cum	1220.46	12877.44	Twelve Thousand Eight Hundred SeventySeven Paise FourtyFour Only
29	Road Marking with Hot Applied Thermoplastic Compound with Reflectorising Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250 g/ m2 area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35:2015.The finished surface to be level, uniform and free from streaks and holes. Specification and directions of the Engineer in charge.	Sqm	991.18	533.81	Five Hundred ThirtyThree Paise EightyOne Only
30	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite /trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:5:10 Using 40 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge.	Cum	585.88	5557.03	Five Thousand Five Hundred FiftySeven Paise Three Only
31	Providing and constructing un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base, with 43 grade cement or any other type as per Clause 1501.2.2 M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a concrete mixer of not less than 0.2 cum capacity and appropriate weigh batcher using approved mix design, laid in approved fixed side formwork (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formwork as per drawing), spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in continuous operation including construction joints, , primer, sealant , curing of concrete slabs for 14- days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts, loading & unloading charges, cost and conveyance of all materials, labour, equipments etc., complete. as per the directions of the Engineer-in-charge of the work.	Cum	524.48	7635.34	Seven Thousand Six Hundred ThirtyFive Paise ThirtyFour Only

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32	Cutting transverse contraction joints 3 to 4 mm wide and depth 60mm in concrete slab using concrete cutting machine with diamond studded saw within 48 hours of casting of bay / slab etc. complete including subsequent widening of the groove 8 to 10 mm. wide at top having depth of 15 mm. as directed by Engineer incharge.	m	728.00	78.17	SeventyEight Paise Seventeen Only
33	Providing to contraction joints polysuphide sealent (Pouring grade) confirming to BS : 5212 - 1989 into sawed groove widened at top for sealent reservoir of specified size and shape as per detailed drawing including fixing Polyethylene foam backer rod of required diameter (approx. 25% larger than the initial 3 mm.to 4 mm. joint) overlaid with bond breaking tape as per detailed drawing. Item includes cleaning the joints with water jet / air compressor and allowing joint to become thoroughly dry before sealent is applied and applying primer. (A) Contraction and longitudinal joints (15 mm. deep x 8mm.wide). and directions of the Engineer in charge.	m	728.00	184.27	One Hundred EightyFour Paise TwentySeven Only
34	Providing and applying Epoxy paint of approved quality over newly laid cement concrete surface for cycle track with 2coats of primer @0.35kg/Sqm) one mid coat sprayed at 2.1kg per sqm mixed with m Sand at 3.15kg per Sqm and one top coat sprayed at 0.35kg per Sqm along with marking and painting of cycle symbol at every 50m, arrows at front and back of the cycle symbol and edge lane marking with cleaning making all necessary arrangements before painting of each layer along with all labours, lead lift, transportation of materials, HOM of Machinaries as per approved drawing, specifications and as per the instructions of Engineer In Charge Complete. (Data Rate)	Sqm	3000.00	2639.63	Two Thousand Six Hundred ThirtyNine Paise SixtyThree Only
35	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material to the appropriate disposal area as per direction of Engineer-in-charge.in Cement motorand directions of the Engineer in charge.	Sqm	15.60	881.13	Eight Hundred EightyOne Paise Thirteen Only
36	Dismantling tile work in floors and roofs laid in cement mortar including stacking material to the appropriate disposal area as per direction of Engineer-in-charge. For thickness of tiles 10 mm to 25 mm and directions of the Engineer in charge.	Sqm	28.44	41.32	FourtyOne Paise ThirtyTwo Only
37	Demolishing R.C.C work manually by mechanical means including stacking of steel bars and dispoasal of unserviceable material to the appropriate disposal area and directions of the Engineer in charge.	Sqm	5.75	2074.95	Two Thousand SeventyFour Paise NinetyFive Only
38	Earth work excavation for Foundation by mechanical means for all works & depth upto 3 m, as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, including dressing of excavated surfaces, disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools, usage of machinery & other appurtenaces required to complete the work. In ordinary/soft rock without blasting upto 1.5 m depth and directions of the Engineer in charge.	Cum	123.45	303.76	Three Hundred Three Paise SeventySix Only
39	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. Depth exceeding 1.5m, but not exceeding 3 m and directions of the Engineer in charge.	Cum	561.59	222.24	Two Hundred TwentyTwo Paise TwentyFour Only

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40	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. and directions of the Engineer in charge.	Cum	109.21	2860.04	Two Thousand Eight Hundred Sixty Paise Four Only
41	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations and other similar works etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m. and directions of the Engineer in charge.	Cum	239.60	227.82	Two Hundred TwentySeven Paise EightyTwo Only
42	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 and directions of the Engineer in charge.	Cum	354.36	6055.11	Six Thousand FiftyFive Paise Eleven Only
43	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. and directions of the Engineer in charge.	Cum	3.91	7386.24	Seven Thousand Three Hundred EightySix Paise TwentyFour Only
44	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA). and directions of the Engineer in charge.	Cum	94.28	7580.39	Seven Thousand Five Hundred Eighty Paise ThirtyNine Only
45	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA). and directions of the Engineer in charge.	Cum	44.88	7720.77	Seven Thousand Seven Hundred Twenty Paise SeventySeven Only
46	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates with 20% partial replacement with Recycled concrete aggregate (RCA).and directions of the Engineer in charge.	Cum	2.47	8422.66	Eight Thousand Four Hundred TwentyTwo Paise SixtySix Only

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47	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge.	Cum	6.48	7975.06	Seven Thousand Nine Hundred SeventyFive Paise Six Only
48	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge.	Cum	57.10	8700.06	Eight Thousand Seven Hundred Paise Six Only
49	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge.	Cum	0.18	10512.58	Ten Thousand Five Hundred Twelve Paise FiftyEight Only
50	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge.	Cum	6.21	8054.81	Eight Thousand FiftyFour Paise EightyOne Only

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51	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge.	Cum	25.85	8787.06	Eight Thousand Seven Hundred EightySeven Paise Six Only
52	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge.	Cum	2.05	8787.06	Eight Thousand Seven Hundred EightySeven Paise Six Only
53	Providing and laying in position Reinforced cement concrete for all Super structures of building , Road works, Water works, Irrigation works & super structure works of bridges upto 3.50 m height. The granite/ trap/ basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers laid in layers, well compacted using needle vibrators. The cost includes all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement, dowel bars & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates and directions of the Engineer in charge.	Cum	0.86	10617.71	Ten Thousand Six Hundred Seventeen Paise SeventyOne Only
54	Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) and directions of the Engineer in charge.	kg	29899.49	118.38	One Hundred Eighteen Paise ThirtyEight Only
55	Providing Thermo-Mechanically Treated bars of grade Fe-550 Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) and directions of the Engineer in charge.	kg	4888.43	119.57	One Hundred Nineteen Paise FiftySeven Only

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56	Providing tile brick masonry with common burnt clay Non Modular tile bricks of class designation 5.0 conforming to IS 2690 (Part I) in superstructure above plinth level up to floor I level in cement mortar 1:6 (1 cement : 6 coarse sand) including cost of all materials, labour, scaffolding and usage charges of machinery & other incidental charges complete and as per the direction of engineer incharge of work..	Sqm	114.00	12589.32	Twelve Thousand Five Hundred EightyNine Paise ThirtyTwo Only
57	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. and as per the direction of engineer incharge	Sqm	0.34	1191.59	One Thousand One Hundred NinetyOne Paise FiftyNine Only
58	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x150x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. and as per the direction of engineer incharge of work..	sqm	128.89	1203.51	One Thousand Two Hundred Three Paise FiftyOne Only
59	Applying stamping finish on M30 grade concrete on PCC sub grade, applying and finishing with stamp/ stencil of approved pattern and color in accordance with Engineers instructions & approved drawings with use of any approved brand of color hardener of 4.5 kg/m2, including floating of color hardener over the concrete surface with different types of floaters, application of release agent of 0.12 to 0.13kg/m2.depending on matching combination of selected color, stamping over the concrete surface with stamping tools , cleaning of surface with water and groove cutting of finished concrete and application of acrylic based sealer for final finish. Coverage of sealer should be 0.30litre/m2 per coat. The cost is inclusive of manpower, cutting machine, sprayer and all tools tackles for all activities and complete smooth and finish as per technical specifications.(The cost of Concrete shall be paid separately) and as per the direction of engineer incharge of work..	Sqm	29.35	454.52	Four Hundred FiftyFour Paise FiftyTwo Only
60	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge. and as per the direction of engineer incharge of work..	Sqm	165.67	831.99	Eight Hundred ThirtyOne Paise NinetyNine Only
61	Providing and laying 52 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2(1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per direction of Engineer incharge. and as per the direction of engineer incharge of work..	Sqm	29.35	808.54	Eight Hundred Eight Paise FiftyFour Only

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62	Providing and laying 32 mm thick cement concrete flooring with concrete hardener topping, under layer 40 mm thick cement concrete 1:2:4 (1cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) and top layer 12 mm thick cement hardener consisting of mix 1:2(1 cement hardener mix : 2 graded stone aggregate 6 mm nominal size) by volume, hardening compound mixed @ 2 litre per 50 kg of cement or as per direction of Engineer incharge. and as per the direction of engineer incharge of work..	Sqm	94.52	1559.01	One Thousand Five Hundred FiftyNine Paise One Only
63	Providing and constructing load bearing wall with Solid Concrete blocks of size 400x200x200mm having block density more than 1800kg/m3 and minimum compressive strength of 4.00 N/mm2 conforming to IS 2185 (Part - I) - 2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materials, labour, scaffolding and curing, usage charges of machinery etc complete as per specifications. and as per the direction of engineer incharge of work..	Sqm	515.47	1342.35	One Thousand Three Hundred FourtyTwo Paise ThirtyFive Only
64	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per the direction of engineer incharge of work..	Sqm	874.16	342.85	Three Hundred FourtyTwo Paise EightyFive Only
65	Providing 20 mm cement plaster of mix :1:4 (1 cement: 4 fine sand) to brick/stone masonary including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per the direction of engineer incharge of work..	Sqm	153.64	346.28	Three Hundred FourtySix Paise TwentyEight Only
66	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	657.75	367.42	Three Hundred SixtySeven Paise FourtyTwo Only
67	Providing 18 mm cement plaster in two coats under layer 12 mm thick cement plaster with cement mortar 1:5 (1 cement : 5 coarse sand) and a top layer 6 mm thick cement plaster with cement mortar 1:3 (1 cement: 3 coarse sand) finished rough with sponge to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and as per directions of Engineer-in-charge.	Sqm	326.76	371.09	Three Hundred SeventyOne Paise Nine Only
68	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :Two coats on new work after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	1476.02	100.51	One Hundred Paise FiftyOne Only
69	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per specifications and as per directions of Engineer in charge.	Sqm	1026.02	92.69	NinetyTwo Paise SixtyNine Only
70	Finishing walls with water proofing cement paint of required shade :New work (Two coats applied @ 4.84 kg/10 m^2) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	Sqm	889.94	73.71	SeventyThree Paise SeventyOne Only

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	New work (Two coats applied @ 4.84 kg/10 m^2) to give an even shade after thoroughly brooming the surface to remove all dirt, dust, mortar drops and foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour charge.	Sqm	153.64	73.71	SeventyThree Paise SeventyOne Only
72	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including grouting the joints with white cement and matching pigments etc., complete and as per the direction of engineer incharge of work..	Sqm	37.10	1226.21	One Thousand Two Hundred TwentySix Paise TwentyOne Only
73	Providing and fixing flush door shutter made out of solid core block board type, well seasoned , chemicaly treated hard wood battens and internal frame with minimum 45 mm wide wooden frame around door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door useing liquid phenol formaldehyde resin as per IS specifications 2202 (part-I) 1991. from manufacturer complete as per spcification..-do- 30 mm thick both side commercial and as per the direction of engineer incharge of work..	Sqm	1.89	2946.03	Two Thousand Nine Hundred FourtySix Paise Three Only
74	Providing Salwood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications.. and as per the direction of engineer incharge of work..	Cum	0.04	100947.95	One Lakh Nine Hundred FourtySeven Paise NinetyFive Only
75	Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). and as per the direction of engineer incharge of work..	Sqm	4.20	8085.40	Eight Thousand EightyFive Paise Fourty Only
76	Providing & fixing of 3-track x 2-panel sliding windows made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free, gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the window frame. The outer frame having an overall size of 108mm width x 45mm height with reinforcement of 1mm thickness and Sash with overall size of 39mm x 75mm with GI reinforcement of 2mm and mesh sash of size 37mm x 58mm. Coextruded Glazing bead for fixing of glass shall be of size 20mm x 24 mm. Windows shall be provided with 6mm plain float glass, standard hardware& Multi point locking system with touch lock. Wall thickness of frame & sash shall be of 2mm-2.5mm. Maximum possible size – 2419mm x 2200mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). and as per the direction of engineer incharge of work..	Sqm	23.04	8166.25	Eight Thousand One Hundred SixtySix Paise TwentyFive Only

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	windows etc. with M.S. flats, square or round bars etc. including priming coat with approvedsteel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc. and as per the direction of engineer incharge of work..	Kg	844.20	190.97	One Hundred Ninety Paise NinetySeven Only
78	Providing and fixing M.S. grills of required pattern in frames of windows etc. with M.S. flats, square or round bars etc. including priming coat with approvedsteel primer all complete. Fixed to openings / wooden frames with rawl plugs screws etc. and as per the direction of engineer incharge of work..	Kg	483.84	192.88	One Hundred NinetyTwo Paise EightyEight Only
79	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m^2 over an under coat of primer applied @ 0.80 ltr/10 m^2 of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per the direction of engineer incharge of work..	Sqm	126.48	118.38	One Hundred Eighteen Paise ThirtyEight Only
80	Providing, laying & fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using whitecement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. and as per the direction of engineer incharge of work..	Sqm	29.35	1272.00	One Thousand Two Hundred SeventyTwo Only
81	Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, usage charges complete as per specifications. and as per the direction of engineer incharge of work..	Cum	0.11	265796.75	Two Lakh SixtyFive Thousand Seven Hundred NinetySix Paise SeventyFive Only
82	Providing and fixing in position fully panelled Teak wood shutters for doors with stiles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and stiles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, usage charges complete as per specifications. and as per the direction of engineer incharge of work..	Sqm	1.89	10528.14	Ten Thousand Five Hundred TwentyEight Paise Fourteen Only
83	Polishing in high gloss/matt finish melamine clear polish on wood work in required color/wooden shade texture with following process in the sequence as detailed below: 1. The surface to be polished is rubbed with sand paper 80/120 no. and then with sand paper of 160/180 nos. 2. Applying two coats of sealer with spray gun and allowing sufficient drying time for 1st coat and 2nd coat is allowed to dry for 8 to 12hrs. 3. On drying of sealer coat, wet rubbing with emery cloth of finer grading with ample water to remove excess sealer layer and make the surface further smooth after this wet rubbing, then surface is applied with special grade melamine fillers to fill all the small and big holes/grooves etc. Filler coat to be allowed to dry for 4 to 6 hrs on which again a light wet rubbing is done this surface is further allowed to dry for 12 hrs. 4. On this, 1st coat of melamine polish is applied with spray gun using melamine clear polish and melamine thinner in required proportion. This 1st coat is allowed to dry for 24 hrs then this dry surface is again fine wet rubbed smooth, which is further allowed to dry for 12 hrs. The final melamine polish is applied with compressor pressure spray gun using melamine clear polish and melamine thinner mixed in required proportion complete as per direction of Engineer-in-Charge. (Final coat to be done in 1 or 2 layers without gap of time.) and as per the direction of engineer incharge of work..	Sqm	1.89	662.24	Six Hundred SixtyTwo Paise TwentyFour Only

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	required size M.S. laths, interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements for inside and outside locking with push and pull operation complete, including the cost of providing and fixing necessary 27.5 cm long wire springs manufactured from high tensile steel wire of adequate strength conforming to IS: 4454 - part 1 and M.S. top cover of required thickness for rolling shutters. 80x0.90 mm M.S. laths with 0.90 mm thick top cover including cost of materials, labour, usage charges of machinery complete as per specifications and as per the direction of engineer incharge of work..	Sqm	225.00	2506.03	Two Thousand Five Hundred Six Paise Three Only
85	Providing & fixing of louvered ventilator made out of multi chambered UPVC(Matching to RAL-9016) sections and with minimum TiO2(Titanium Dioxide) at 6PHR with TPE(Thermo Plastic Elastomer) and lead free with gaskets -grey colour having isolated drainage and reinforced with Galvanized Iron profile through-out the ventilator frame. The frame having overall size of 39mm x 39mm with GI reinforcement of 1mm thickness. Louver clip in Aluminium (powder coated in white) will be used on the frame along with plastic parts for fixing the 4 mm pin head glass. Wall thickness of frame shall be 2mm.Maximum possible size – 1000mm x 1000mm. (The cost is inclusive of all fixtures and separate charges for minor T&P's shall not be made). and as per the direction of engineer incharge of work..	Sqm	36.00	5438.66	Five Thousand Four Hundred ThirtyEight Paise SixtySix Only
86	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre as per specifications and as per the direction of engineer incharge of work..	Sqm	113.79	44.67	FourtyFour Paise SixtySeven Only
87	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content. With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre as per specifications and as per the direction of engineer incharge of work..	Sqm	153.64	44.67	FourtyFour Paise SixtySeven Only
88	Design and Detailed Enginnering supply and Erection of Structural Steel Support complete with 2 coat of epoxy primer coating and with necessary fixing transportation site supervision and commissioning of tensioned membrane structure including preparation of membrane shop drawings of PVC tensioned membraneRoof Structure consisting of Flying mast out of IS make CHS Floder clips.Aluminium clamp boards hardware like bolts screws washers,keder profile extrusion to recive bolts galvonized cablex as perindian standard.The tensile membrane made from germany make mehler valmex FR900-type II,with 100% white colour,PVDF-lacquer on both sides protected against microbat and fungal attack UV-protected with weight og 90g/sqm with 25 years warranty all inclusive and complete as per Engineers instructions includig all lead and lift and as per the directions of the Engineer incharge.1.Tenders shall not be under a Declaration of ineligibility for corrupt and fraudulent practices issued by the Government of ineligibility for corrupt and fradulent practices issued by the government of Karnataka (GOK) /Bruhat Banglore Mahanagara palike (BBMP)2. tenders from Joint ventures are not acceptable	Sqm	980.43	15228.65	Fifteen Thousand Two Hundred TwentyEight Paise SixtyFive Only
89	Construction of Embankment with approved materials deposited at site from roadway cutting and excavation from drain and foundation of other structures graded with desired compaction. and as per the direction of engineer incharge of work..	Cum	34446.38	126.19	One Hundred TwentySix Paise Nineteen Only

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	excavation with all lifts and lead, transportation to site, spreading, grading to required slope and compacting to meet the requirement complete as per specifications, including cost of labour,rolling,water, all materials,usage& all other appurtenaces required to complete the work. and as per the direction of engineer incharge of work..	Cum	4395.33	448.94	Four Hundred FourtyEight Paise NinetyFour Only
	Providing and placing on terrace(at all floor levels), polyethylene water storage tanks as per IS 12701 marked,with cover and suitable locking arrangement and making necessary holes for inlet,outlet and overflow pipes but without fittings and the base support for tank(For 1000 litre capacity) and as per the direction of engineer incharge of work..	ltr	2000.00	8.93	Eight Paise NinetyThree Only
92	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts,bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	kg	165.60	558.38	Five Hundred FiftyEight Paise ThirtyEight Only
93	Providing and fixing stainless steel (Grade 304) railing made of Hollow tubes, channels, plates etc., including welding, grinding, buffing, polishing and making curvature (wherever required) and fitting the same with necessary stainless steel nuts and bolts complete, i/c fixing the railing with necessary accessories & stainless steel dash fasteners, stainless steel bolts etc., of required size, on the top of the floor or the side of waist slab with suitable arrangement as per approval of Engineer-in- charge, (for payment purpose only weight of stainless steel members shall be considered excluding fixing accessories such as nuts,bolts, fasteners etc.) including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	Sqm	165.60	563.97	Five Hundred SixtyThree Paise NinetySeven Only
94	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent. and as per the direction of engineer incharge of work..	Sqm	215.60	3217.41	Three Thousand Two Hundred Seventeen Paise FourtyOne Only
95	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing , curing and polishing etc. all complete as specified and as directed by the Engineer-in-Charge. ** Polished Granite stone slab Black, Cherry Red, Brown, Cat Eye, River Pink or equivalent. and as per the direction of engineer incharge of work..	Sqm	102.97	3249.58	Three Thousand Two Hundred FourtyNine Paise FiftyEight Only

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	...welding, fixing in position and applying a priming coat of approved ...steel primer, including welding and bolted with special shaped ...washers etc. complete. Electric resistance or induction butt welded ...tubes including cost of materials, labour, usage charges of ...machinery complete as per specifications and as per directions of the Engineer-in-Charge..	kg	11103.67	122.84	One Hundred TwentyTwo Paise EightyFour Only
	Providing and fixing PUF Pannel with precoated galvanised iron profile sheets on the top surface and a ribbed liner tray on the underside and a sandwiched insulation cover. The Profile is as follows- Inner skin: Ribbed liner, aluminium foil/craft paper Outer skin: 35x250mm trapezoidal profile with 2 secondary ribs and anti-capillary flute. The panel thickness of 50 mm. Surface finish: Metallic, solid colours, Polyvinylidene fluoride (PVDF) & super polyster coatings. The Specifications of precoated galvanised iron profile sheets is as follows (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm (+ 0.05 %) total coated thickness with zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet hould have protective guard film of 25 microns minimum to avoid scratches during transportation and should be supplied in single length upto 12 m or as desired by Engineer-in-charge. The sheet shall be fixed using self drilling/self tapping screws of size (5.5x 55 mm) with EPDM seal, complete upto any pitch in horizontal/ vertical or curved surfaces, excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required. The Rate Includes Transportation, Fixing inclusive of All Hardware and Labour Charges and as per the direction of engineer incharge of work..	Sqm	343.98	3553.35	Three Thousand Five Hundred FiftyThree Paise ThirtyFive Only
98	Providing and fixing precoated galvanised steel sheet roofing accessories 0.50 mm (+0.05 %) total coated thickness, Zinc coating 120 grams per m2 as per IS: 277, in 240 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns using self drilling/ self tapping screws complete :Gutter (600 mm over all girth) and as per the direction of engineer incharge of work..	Rm	81.90	954.84	Nine Hundred FiftyFour Paise EightyFour Only
99	Providing & fixing flat iron brackets 50x3 mm size with necessary bolts, nuts and washers etc. for fixing G.S. sheets gutters with purlins. and as per the direction of engineer incharge of work..	Rm	81.90	62.54	SixtyTwo Paise FiftyFour Only
100	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe.do-110mm dia and as per the direction of engineer incharge of work..	Rm	12.00	522.65	Five Hundred TwentyTwo Paise SixtyFive Only
101	Executive Bench-Made out of Sadarahalli grey granite stone with hand supports with 3 line finishing with arch/plain design with 100mm slabs height 90x Length 1500 width 45cms (1.50*0.45*0.90m) (Including lead and lift Charges) (inclusive of all taxes) As per the directon of Engineer Incharge. (Data approved rate)	Nos	42.00	18477.42	Eighteen Thousand Four Hundred SeventySeven Paise FourtyTwo Only
102	Loading and Unloading of Stone Boulder/Stone aggregates/ Sand/Kankar/Moorum. (Tipper 5.5 m3) and as per the direction of engineer incharge of work..	Cum	13374.81	131.78	One Hundred ThirtyOne Paise SeventyEight Only
103	Cost of Haulage Excluding Loading and Unloading Taking output 10 t load and lead 10 km = 100 t.km and as per the direction of engineer incharge of work..	t.Km	17119.76	107.21	One Hundred Seven Paise TwentyOne Only

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	...bends, metal/PVC junction boxes, adhesive paste etc., and ...ing before concreting the slab. The conduit should be tied to ...reinforcement rods by using binding wires and unused ways of ...ction boxes and pipe ends should be covered using PVC end ...closures, run with 18SWG GI fish wire wherever necessary ...20mm dia 2mm thick(including audio system)complete and as ...er the directions of the Engineer-in-charge of the work.	mtr	585.00	61.93	SixtyOne Paise NinetyThree Only
	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 25mm dia 2mm thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work 25mm dia 2mm thick and as per the direction of engineer incharge of work..	mtr	1125.00	71.07	SeventyOne Paise Seven Only
106	Concealed Conduit System Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary 32mm dia 2mm thick thick(including audio system)complete and as per the directions of the Engineer-in-charge of the work	mtr	170.00	94.42	NinetyFour Paise FourtyTwo Only
107	Extra for Groove cutting in brick wall/CC floor to the suitable depth for concealing of Conduit/GI pipe and plastering, finishing upto wall surface complete. upto 50mm conduit in brick wall. and as per the direction of engineer incharge of work..	Mtr	200.00	26.40	TwentySix Paise Fourty Only
108	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an interval of 300mm .... etc. as required. 25mm. and as per the direction of engineer incharge of work..	mtr	155.00	28.43	TwentyEight Paise FourtyThree Only
109	Supplying PVC/GI flexible conduit pipe...mm dia fixing on surface over inverted tapered wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and on either end of the pipe terminated completely 25mm complete and as per the directions of the Engineer-in-charge of the work.	mtr	390.00	31.47	ThirtyOne Paise FourtySeven Only
110	Supplying And Fixing Metal Fan Box with Round Hook. and as per the direction of engineer incharge of work..	Each	41.00	165.48	One Hundred SixtyFive Paise FourtyEight Only
111	Point wiring using Copper wire without switch. Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2X1.5Sq.mm Cable confirming to the GTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block complete for each outlet. GROUP A. Short point upto 3Mtr from tapping point to out let via switch box and as per the direction of engineer incharge of work..	Each	137.00	254.83	Two Hundred FiftyFour Paise EightyThree Only
112	Medium point above 3Mtr upto 6Mtr from tapping point to out let via switch box. and as per the direction of engineer incharge of work..	Each	17.00	366.50	Three Hundred SixtySix Paise Fifty Only
113	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper with low conductor resistance single core wire in open or concealed system of wiring with specified IS-694:1990 & confirming to GTP of GROUP -A. 1.5 sqmm.. and as per the direction of engineer incharge of work..	mtr	1725.00	26.40	TwentySix Paise Fourty Only

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	...core wire in open or concealed system of wiring with ...ified IS-694:1990 & confirming to GTP of GROUP -A.2.5 ...mm.. and as per the direction of engineer incharge of work..	mtr	2480.00	40.61	Fourty Paise SixtyOne Only
	...ing for lighting/power circuit using one of FRLS PVC insulated ...00V grade, multistrand Copper with low conductor resistance ...ingle core wire in open or concealed system of wiring with ...pecified IS-694:1990 & confirming to GTP of GROUP -A 4 sqmm.. ...and as per the direction of engineer incharge of work..	mtr	290.00	59.90	FiftyNine Paise Ninety Only
	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 1-3Way. and as per the direction of engineer incharge of work..	Each	71.00	124.87	One Hundred TwentyFour Paise EightySeven Only
117	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 6Way. and as per the direction of engineer incharge of work..	Each	50.00	215.23	Two Hundred Fifteen Paise TwentyThree Only
118	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 8Way. and as per the direction of engineer incharge of work..	Each	8.00	253.81	Two Hundred FiftyThree Paise EightyOne Only
119	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall 10-12Way and as per the direction of engineer incharge of work..	Each	48.00	329.95	Three Hundred TwentyNine Paise NinetyFive Only
120	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 1 to 3 Module.. and as per the direction of engineer incharge of work..	Each	65.00	154.32	One Hundred FiftyFour Paise ThirtyTwo Only
121	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 6 Module.. and as per the direction of engineer incharge of work..	Each	20.00	247.72	Two Hundred FourtySeven Paise SeventyTwo Only
122	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. 8 Module. and as per the direction of engineer incharge of work..	Each	34.00	306.60	Three Hundred Six Paise Sixty Only
123	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box12 Module. and as per the direction of engineer incharge of work..	Each	26.00	368.40	Three Hundred SixtyEight Paise Fourty Only
124	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6Amps one way.. and as per the direction of engineer incharge of work..	Each	19.00	89 34	EightyNine Paise ThirtyFour Only
125	Supplying and fixing of modular switch/ Socket/stepped electronic fan regulator/ dimmer/telephone socket etc on existing modular switch plate as per IS 3854 and IS 1293 GROUP A 6Amps Two way. and as per the direction of engineer incharge of work..	Each	5.00	154.32	One Hundred FiftyFour Paise ThirtyTwo Only
126	Stepped Fan Regulator.. and as per the direction of engineer incharge of work..	Each	3.00	317.77	Three Hundred Seventeen Paise SeventySeven Only
127	16Amps one way switch. and as per the direction of engineer incharge of work..	Each	7.00	252.80	Two Hundred FiftyTwo Paise Eighty Only

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28	TV/Telephone socket. and as per the direction of engineer incharge of work..	Each	1.00	149.24	One Hundred FourtyNine Paise TwentyFour Only
129	Supplying 50mm wooden plug, tapered from 50x50mm to 25x25mm and fixing by using binding wire before concreting a roof slab.. and as per the direction of engineer incharge of work..	mtr	111.00	8.12	Eight Paise Twelve Only
130	Supplying and fixing cast Aluminum round or oblong type bulk head fitting with GI wire guard, glass cover with 15Watts 230V CFL lamp. and as per the direction of engineer incharge of work..	Each	5.00	69.04	SixtyNine Paise Four Only
131	Supplying CFL mirror light fitting with 1x11W CFL lamp, choke, Perspex cover and completely wired for use on 230V 50Hz AC supply. and as per the direction of engineer incharge of work..	Each	24.00	659.80	Six Hundred FiftyNine Paise Eighty Only
132	LED Indoor Supplying of 2' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical condition LED light fighting 4' - 28 watts complete and as per the directions of the Engineer-in-charge of the work.	Each	91.00	503.40	Five Hundred Three Paise Fourty Only
133	Supply of recess mounted rolling type LED square or round Down light 12 watts with 4/6W GU 10 LED Lamp Rib Fabricated from Die cast aluminum with white powder coated prewired to mains connector with suitable driver & having swiveling unit of aluminum die cast eye ball & LED Lamp position retained by circular wire spring. 5 years Warranty against any manufacturing defect working under standard electrical condition.. and as per the direction of engineer incharge of work..	Each	24.00	1500.50	One Thousand Five Hundred Paise Fifty Only
134	Supply of LED Square Recessed Down lighter with 18W System Wattage. Housing shall be with powder coated pressure die cast aluminum alloy with corrosion resistant polyester powder coat & with extended heat sink. Diffuser/cover made of Lexan plastic material. Rated life shall be L70 @ 50000 Hrs. which shall has inbuilt electrical protection like over/under voltage, short circuit, overload, open circuit & miswiring. Driver is on constant current driver output driver @ 0.06A with PF > 0.9 with line voltage @ 220-240V @ 50/60Hz, driver efficiency > 85% & THD<15%. LED Efficiency > 130 lm/W at 1W & Fixture Efficiency >75lm/w with CRI > 75 with injection moulded Polycarbonate lens. 5 years Warranty against any manufacturing defect working under standard electrical condition.. and as per the direction of engineer incharge of work..	Each	15.00	1268.00	One Thousand Two Hundred SixtyEight Only
135	60W highbay LED linear type light fixture make-crompton ,model - LHBL60CDL and as per the direction of engineer incharge of work..	Each	104.00	8121.80	Eight Thousand One Hundred TwentyOne Paise Eighty Only
136	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps SP. and as per the direction of engineer incharge of work..	Each	6.00	530.90	Five Hundred Thirty Paise Ninety Only
137	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 5-32Amps SP. and as per the direction of engineer incharge of work..	Each	7.00	530.90	Five Hundred Thirty Paise Ninety Only
138	40-63Amps DP and as per the direction of engineer incharge of work..	Each	6.00	1383.65	One Thousand Three Hundred EightyThree Paise SixtyFive Only
139	40-63Amps TPN. and as per the direction of engineer incharge of work..	Each	2.00	2435.40	Two Thousand Four Hundred ThirtyFive Paise Fourty Only

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140	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.II - Double Door 12Way SP &N. and as per the direction of engineer incharge of work..	Each	29.00	2098.40	Two Thousand NinetyEight Paise Fourty Only
141	Supplying and fixing regular MCB distribution boards on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with powder coated painting. Made out of 14 SWG MS enclosure.III - Double Door 4Way TP &N. and as per the direction of engineer incharge of work..	Each	1.00	3099.40	Three Thousand NinetyNine Paise Fourty Only
142	Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker [ELMCB] 240/450V up to 300mA sensitivity on existing wood/panel board. 32-40 Amps 2 pole. and as per the direction of engineer incharge of work..	Each	4.00	2692.30	Two Thousand Six Hundred NinetyTwo Paise Thirty Only
143	Supplying and running of GI/Copper strips for grounding connections, using necessary fixing materials as required. GI strip 25x3mm and as per the direction of engineer incharge of work..	Each	4.00	78.15	SeventyEight Paise Fifteen Only
144	Supplying fixing and wiring earth electrode for grounding of lifts, transformers, DG sets etc. using 40mm dia 2.9mm thick 2.5 mtr long GI pipe with GI funnel with mesh and suitable size reducer fixed on the top of the earth electrode. The funnel should be enclosed in a CC chamber of 400x400x400mm with a cast iron cover. The earth electrode shall have staggered holes of 12mm dia and the electrode should be covered 150mm all-round with alternate layers of salt and charcoal from the bottom of the CC chamber. The connection from the electrode is to be established	mtr	10.00	4213.00	Four Thousand Two Hundred Thirteen Only
145	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete. 14SWG and as per the direction of engineer incharge of work..	Sq.cms	150000.00	0.48	Paise FourtyEight Only
146	600x600x3mm GI Plate and as per the direction of engineer incharge of work..	Each	2.00	609.00	Six Hundred Nine Only
147	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6 A Two Way Switch. and as per the direction of engineer incharge of work..	Each	310.00	154.20	One Hundred FiftyFour Paise Twenty Only
148	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system: 48" sweep (1200mm) and as per the direction of engineer incharge of work..	Each	9.00	2116.60	Two Thousand One Hundred Sixteen Paise Sixty Only
149	Supplying and fixing of slim patty fitting, made out of CRCA Sheet metal body with locking type holder completely wired. Excluding Ballast & Fluorescent Tube and as per the direction of engineer incharge of work..	Each	2.00	246.60	Two Hundred FourtySix Paise Sixty Only
150	Supplying exhaust fan of 1440 RPM of 300 mm (12") size with bracket blades complete for light duty suitable to operate on 230V 50Hz, AC Supply and as per the direction of engineer incharge of work..	Each	25.00	1565.14	One Thousand Five Hundred SixtyFive Paise Fourteen Only

Signature of the Contractor

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BBMP, Bengaluru-64.

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